

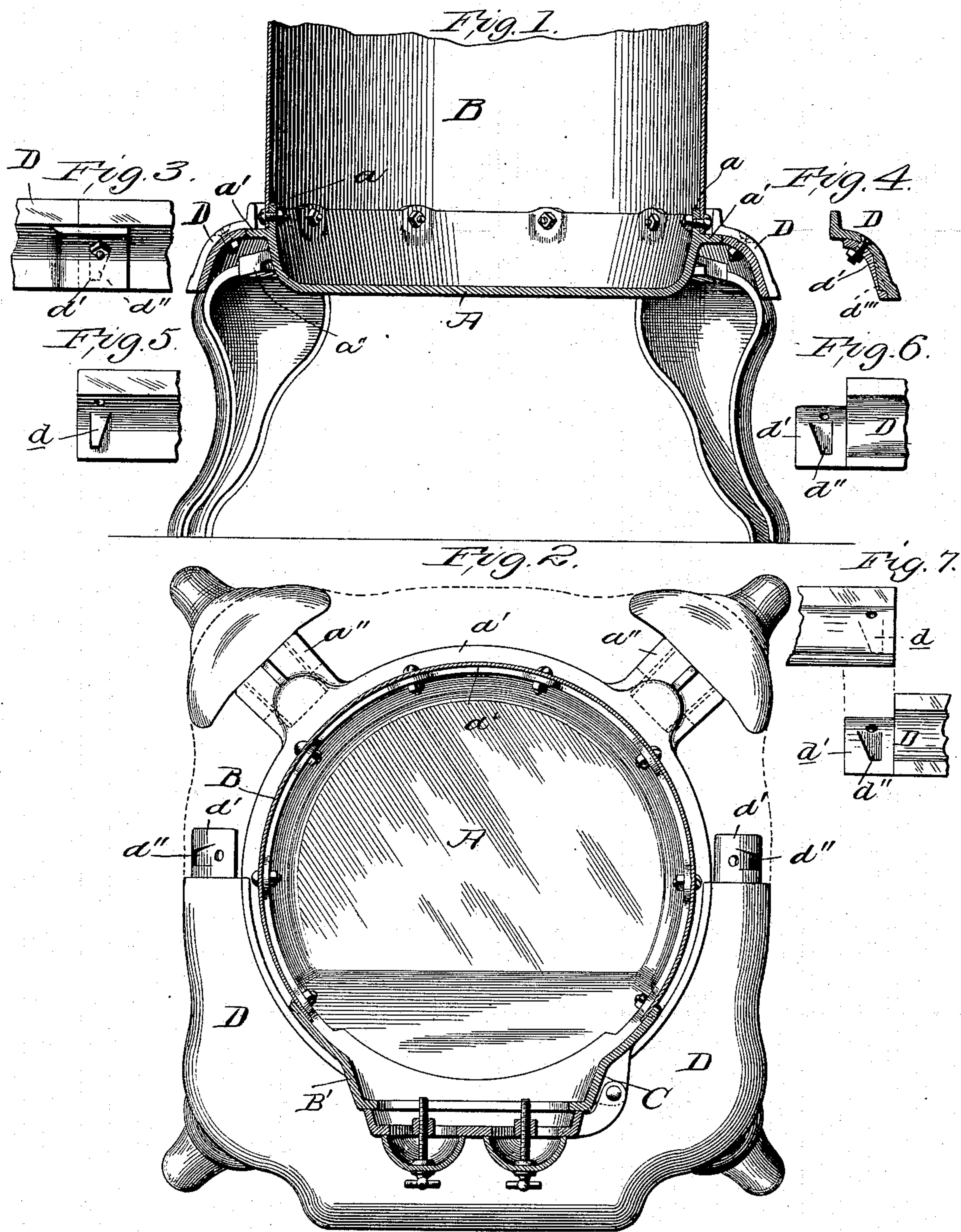
No. 615,415.

Patented Dec. 6, 1898.

W. THOMPSON.  
STOVE.

(Application filed June 3, 1897.)

(No Model.)



Attest:

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# UNITED STATES PATENT OFFICE.

WILLIAM THOMPSON, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE BUCK'S STOVE AND RANGE COMPANY, OF SAME PLACE.

## STOVE.

SPECIFICATION forming part of Letters Patent No. 615,415, dated December 6, 1898.

Application filed June 3, 1897. Serial No. 639,206. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM THOMPSON, a citizen of the United States, residing in the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Stoves, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this application, in which—

Figure 1 is a vertical sectional view through the lower portion of a stove embodying my invention. Fig. 2 is a horizontal sectional view of the same, a portion of the base being removed to more clearly show the construction. Fig. 3 is a detail view looking from the inside of the joint between the two sections of the base. Fig. 4 is a sectional view through said joint. Fig. 5 is a detail view of the end of the male section. Fig. 6 is a detail view of the end of the female section. Fig. 7 is an elevation showing the outside of the base-section ends, which are there shown separated.

This invention relates to a new and useful improvement in heating-stoves, and particularly to that class of stoves used for burning wood, although it is obvious that with slight changes the invention could be adapted to stoves for consuming coal.

The invention consists in the construction, arrangement, and combination of parts, all as will hereinafter be more fully described, and afterward pointed out in the claims.

In the drawings, A indicates the bottom of the stove, which is provided with a flange *a*, to which are secured the parts comprising the drum, the flange *a'* for supporting the sectional base, and suitable projections *a''*, in which the legs are mounted.

B indicates the drum, which is preferably composed of sheet metal and secured to the flange *a*.

B' indicates a panel secured to the bottom plate A and to the edges of the drum B, completing said drum. This panel B' is preferably made of cast-iron and has formed in it suitable openings for the introduction of fuel and the regulation of the draft.

C indicates a door for closing one of said openings, said door being preferably so constructed on its inner meeting edge with the panel that it may be ground on a flat surface,

the panel presenting a correspondingly flat surface, against which the door coöperates, thus obviating the necessity for forming ribs or flanges, which are usually employed in stove-door closures.

D indicates a base formed of two sections, said base being supported on the flange *a'* and serving also when tightened to clamp the drum and cast-iron panel together. One section of this base, which I will term the "male" section, has a projection *d* on its under side, provided with an inclined face extending substantially transversely of the section. The other of said sections is preferably formed with a tongue *d'*, said tongue being formed with a recess *d''*, one of the substantially transverse walls or faces of which is inclined and adapted to coöperate with the inclined face of the projection *d* on the other section. The male section of this base and the female section or projecting tongue on the female section overlap and are bent in cross-section, and both are provided with alining openings for receiving tightening-bolts, which when tightened cause the overlapping portions to move transversely of each other, whereby the inclined face of the projection *d* slides on the inclined face of the recess *d''* and draws the sections of the base endwise together to tightly clamp the same around the base of the drum.

In assembling the stove these sections of the base are put on last, they being supported on the flange *a'*, and when the bolts passing through the overlapping ends of said sections are tightened the wedges *d* will be forced against the inclined walls of the recesses *d''* and draw the sections of the base toward each other, clamping them tightly in position, which adds rigidity to the structure. This base may be ornamented as desired to give a finished appearance to the stove.

I am aware that minor changes in the construction, arrangement, and combination of the several parts of my stove can be made and substituted for those herein shown and described without in the least departing from the nature and principle of the invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The herein-described base for stoves



comprising sections having overlapping portions, provided with coacting substantially transverse inclined faces, and means for securing said overlapping portions together  
5 adapted to cause said inclined surfaces to move relative to each other whereby the sections of the base are drawn together.

2. The herein-described base for stoves comprising sections provided with overlapping transversely-bent portions, coacting substantially transverse inclined faces on said  
10 overlapping portions, and a bolt inserted in

perforations in said bent overlapping portions adapted when tightened to cause said inclined faces to slide one on the other thereby drawing said sections together. 15

In testimony whereof I hereunto affix my signature, in presence of two witnesses, this 29th day of May, 1897.

WILLIAM THOMPSON.

Witnesses:

HUGH K. WAGNER,  
F. R. CORNWALL.